

Attorney Docket No. 13100-13906 (07783-0081)

Serial No. 10/029,365

DEC 27 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Harrison et al.

Serial No. 10/029,365

Group Art Unit: 1742

Filed: December 20, 2001

Examiner: Wilkins

For: METHOD OF RESTORATION OF MECHANICAL PROPERTIES OF CAST INCONEL 718 FOR SERVICED AIRCRAFT COMPONENTS

PRELIMINARY AMENDMENT

Hon. Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the above-referenced application as follows.

IN THE CLAIMS

Please amend the claims as set forth below. A copy of the marked-up claims is included as an attachment.

A1 11[(Amended)] The process as in claim 10, wherein the process includes heat treating at a temperature in the range of about 1500°F to about 1600°F and holding for a first preselected period, followed by lowering the temperature to a temperature in the range of about 1250°F to about 1350°F and holding for a second preselected period, followed by lowering the temperature to a temperature in the range of about 1100°F to about 1200°F and holding for a third preselected period, so as to develop γ' and γ'' , while also relieving welding stresses in the welded article after the step of welding the wrought article to the cast article.

A2 13[(Amended)] The process as in claim 1, wherein the process includes welding the treated cast Inconel 718 article to a wrought Incoloy 907 article after the cooling step, to yield a repaired article.